WEST Search History

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DATE: Tuesday, June 22, 2004

Hide?	<u>Set Name</u>	Query	Hit Count
•	DB=PGPB,	USPT,USOC,EPAB,JPAB,DWPI;	R = YES; $OP = ADJ$
	L8	L6 same (substitution\$)	15
	L7	L6 same (i adj domain)	24
	L6	L5 same integrin	714
	L5	baised or open or closed or conformation	4222229
	L4	SPRINGER-TIMOTHY.in.	7
	L3	SHIMAOKA-MOTOMU.in.	2
	L2	SHIFMAN-JULIA.in.	1
	L1	MAYO-STEPHEN.in.	8

END OF SEARCH HISTORY

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(FILE 'HOME' ENTERED AT 13:01:33 ON 22 JUN 2004)

FILE 'DISSABS, 1MOBILITY, AGRICOLA, AQUASCI, BIOTECHNO, COMPENDEX, COMPUAB, CONF, CONFSCI, ELCOM, HEALSAFE, IMSDRUGCONF, LIFESCI, OCEAN, MEDICONF, PASCAL, PAPERCHEM2, POLLUAB, SOLIDSTATE, ADISCTI, ADISINSIGHT, ADISNEWS, ANABSTR, BIOBUSINESS, BIOCOMMERCE, ...' ENTERED AT 13:01:50 ON 22 JUN 2004

		•
		E MAYO STEPHEN?/AU
L1	3	S E1 OR E2
		E SHIFMAN JULIA?/AU
L2	16	S E1 OR E2
		E SHIMAOKA MOTOMU?/AU
L3	153737	S E 2
L4	96	S E2
		E SPRINGER TIMOTHY?/AU
L5	4367	S (OPEN OR CLOSED OR CONFORMATION) (S) INTEGRIN?
L6	308	S L5 (S) (I (A) DOMAIN)
L7	104	DUP REM L6 (204 DUPLICATES REMOVED)
$^{\mathrm{L8}}$	19	S L7 AND (139 OR 153 OR 157 OR 160 OR 215)

Sig. Frame

Init. Opt. Length Score Score

00

0.27 -1.08

v <u>0</u> v

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Optimized Score = 1133 Significance = Matches = 1133 Mismatches = Conservative Substitutions =
                                                                                                                                                                                                                                                         Sequence 6, Application US/09902461B
GENERAL INFORMATION:
APPLICANT: Springer, Timothy
APPLICANT: Shifman, Julia
APPLICANT: Shifman, Julia
APPLICANT: Mayo, Stephen
TITLE OF INVENTION: NOVEL PROTEINS WITH INTEGRIN-LIKE ACTIVITY
FILE REFERENCE: A.70566-1.RFF/RMS/RWK
CURRENT APPLICATION NUMBER: US/09/902,481B
CURRENT APPLICATION NUMBER: US 60/216,600
PRIOR FILING DATE: 2001-07-09
PRIOR FILING DATE: 2000-07-07
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PATENTIN VERSION 3.1
SRQ ID NO 6
LENGTH: 1137
                           1. US-09-902-481B-6 Sequence 6, Application above mean ****
2. US-09-902-481B-5 Sequence 5, Application from mean ****
3. US-09-902-481B-5 Sequence 5, Application U 1137 1129
3. US-09-902-481B-4 Sequence 4, Application U 1137 1128
4. US-09-902-481B-3 Sequence 3, Application below mean ****

    US-09-902-481B-1 (1-1153)
    US-09-902-481B-6 Sequence 6, Application US/09902481B

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Optimized Score = Matches =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: synthetic
Description
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1133
998
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Initial Score = Residue Identity = Gaps
Sequence Name
                                                                                                                    Results file us-09-902-481b-1.res made by jdelaval on Tue 22 Jun 104 7:02:54-PDT.
                                                                                                                                                                                                                                                       Results of the initial comparison of US-09-902-481B-1 (1-1153) with: File : seq3-seq4-seq5-seq6.pep
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00:00:00.00
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                                                                                                                                                                            Query sequence being compared:US-09-902-481B-1 (1-1153)
Number of sequences searched:
A
Number of scores above cutoff:
4
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Joining penalty
Window size
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Significance is calculated based on initial score.
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                                                          PastDB - Past Pairwise Comparison of Sequences Release 5.4
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Number of sequences searched:
Number of scores above cutoff:
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1128
    IntelliGenetics
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Gap penalty
Gap size penalty
Cutoff score
Randomization group
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SCORE 0 STDEV

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OF

1.35 4

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A 100% identical sequence to the query sequence was not found.

The list of best scores is:

```
Sequence 5, Application US/09902481B
GENERAL INFORMATION:
APPLICANT: Springer, Timothy
APPLICANT: Shifman, Julia
APPLICANT: Shifman, Julia
APPLICANT: Shifman, Julia
APPLICANT: Mayo, Stephen
TITLE OF INVENTION: NOVEL PROTEINS WITH INTEGRIN-LIKE ACTIVITY
FILE REFERENCE: A-70586-1/RFT/RMS/RMK
CURRENT APPLICATION NUMBER: US/09/902,481B
CURRENT PILING DATE: 2000-07-09
PRIOR PILING DATE: 2000-07-09
PRIOR FILING DATE: 2000-07-07
NUMBER OF SEQ ID NOS: 13
SOFTAME: PatentIn version 3.1
SEQ ID NO 5
LENGTH: 1137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial sequence
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998
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Residue Identity
Gaps
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TLEPCQGARYRSQTETRVEPFEVPNPLELIVGSSVGGLLLALITAALYKGEPKRQYKDAMSEGGPPGARP
TLEPCQGARYRSQTETRVEPFEVPNPLELIVGSSVGGLLLALITAALYKGEPKRQYKOMSEGGPPGARP
TLEPCQGARYRSQTETRVPPFEVPNPLELIVGSSVGGLLLALITAALYKLGFPKRXYKOMSEGGPPGARP
1070 1080 1090 1110 1110
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350 360 410
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850

0.27 8 0

Significance Mismatches

Optimized Score = 1129
Matches = 1129
Conservative Substitutions

0

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$10

QCDAVLYGEQGOPWGRFGAALTVLGDVNGDKLTDVALGARGEBDNRGAVYLFHGTSGSGISPSHSQRIAGSK
QCDAVLYGEQGOPWGRFGAALTVLGDVNGDKLTDVALGARGEBDNRGAVYLFHGTSGSGISPSHSQRIAGSK
QCDAVLYGEQGOPWGRFGAALTVLGDVNGDKLTDVALGARGEBDNRGAVYLFHGTSGSGISPSHSQRIAGSK
490

$10
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Application US/09902481B

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US-09-902-481B-1 (1-1153) US-09-902-481B-5 Sequence

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0.00

Optimized Score = 1128 Significance Matches = 1128 Mismatches Conservative Substitutions

1128 998 0

11 11 11

Initial Score Residue Identity Gaps

synthetic

ORGANISM: Artificial FEATURE: OTHER INFORMATION: S)

LENGTH: 1137

Sequence 4, Application US/099024818
GENERAL INFORMATION:
APPLICANT: Springer, Timothy
APPLICANT: Shimman, Ulia
APPLICANT: Shifman, Ulia
APPLICANT: Shifman, Ulia
APPLICANT: Shifman, Ulia
APPLICANT: Mayo, Stephen
TILE OF INVENTION: NOVEL PROTEINS WITH INTEGRIN-LIKE ACTIVITY
FILE REFERENCE: A-70586-1/RFT/RMS/RMF
CURRENT APPLICATION NUMBER: US/09/902,481B
CURRENT APPLICATION NUMBER: US 60/216,600
PRIOR APPLICATION NUMBER: US 60/216,600
PRIOR PILING DATE: 2000-07-07
NUMBER OF SEQ ID NOS: 13
SOFFWARE: Patentin version 3.1
SEQ ID NO 4

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, 870 880 900 910 920 930 CSINHPIPPENSEVTENTEPOVDSKASLGNKILLKANVTSENNMPRIFNTEPOLELPVKVAVTNVTSHGVS CSINHPIPPENSEVTFNITPDVDSKASLGNKILLKANVTSENNMPRIFNKTEPOLELPVKVAAVTNVTSHGVS CSINHPIPPENSEVTFNITPDVDSKASLGNKILLKANVTSENNMPRIFNKTEPOLELPVKVAAVTNVTSHGVS 850 860 910 920
                                                                                                                                                                                                                                                                                 1100 1110 1150
TLLPCQCAFVRSQTETRVEPFEVPNPLPLIVGSSVGGLLIAL.TRALXKLGFFKRQYKDMSEGGPPGAEP
TLLPCQCAFVRSQTETRVEPFEVPNPLFLIVGSSVGGLLIAL.TRALXKLGFFKRQYKDMSEGGPPGAEP
TLLPCQCAFVRSQTETRVEPFEVPNPLLIVGSSVGGLLIAL.TRALXKLGFFKRQYKDMSEGGPPGAEP
1070 1080 1110 1110
NCIEDPVSPIVLRLNFSLVGTPLSAFGNLRPVLAEDAQRLFTALPPFEKNCGNDNICQDDLSITFSFMSLDC
710 710 750 770
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Optimized Score = 1124 Significance = -1.08
Matches = 1124 Mismatches = 13
Conservative Substitutions = 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 3, Application US/09902481B
GENERAL INPORMATION:
APPLICANT: Springer, Timothy
APPLICANT: Shifman, Julia
APPLICANT: Shifman, Julia
APPLICANT: MAYO. Stephen
TITLE OF INVENTION: NOVEL PROTEINS WITH INTEGRIN-LIKE ACTIVITY
FILE REPERENCE: A-70586-1/RFT/RMS/RMK
CURRENT PELLOR OWNERS: US/09/902,481B
CURRENT PELLOR OWNERS: US/09/902,481B
CURRENT PELLOR OWNERS: US/09/902,481B
SROR APPLICATION NUMBER: US/09/902,481B
SRIOR APPLICATION NUMBER: US/09/902,481B
SRIOR PILLING DATE: 2001-07-09
NUMBER OF SEQ ID NOS: 13
SOFTWARE: Patentin version 3.1
SEQ ID NO 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US/09902481B
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ORGANISM: Artificial sequence
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US-09-902-481B-3 Sequence 3,
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OTHER INFORMATION: synthetic
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us-09-902-481b-1.res

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107 CFLFGSNLRQQPQKFPEALRGCPQBDSDIAFLIDGSGSIIPHDFRRWKEWVSTVWHGQLKKKS
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                                                          GENALIGN - Multiple Sequence Alignment Program
Release 5.4
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(1-1137)
(1-1137)
(1-1137)
(1-1133)
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                                                                                                                                                                   = Identity
= 80
                                                                                                                                                                                                                                                                           AMINO-Res-length = 2
DELection-weight = 5.00
LEngth-factor = 0
Matching-weight = 1.00
NUCLEIC-Res-length = 4
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= Off
= Off
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                                                                                                              Tue 22 Jun 104 6:57:42-PDT
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US-09-902-481B-3
US-09-902-481B-4
US-09-902-481B-5
US-09-902-481B-6
US-09-902-481B-1
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	168 KTLFSLMQYSEEFRIHFTPKEPQNNPNPRSLIKPITQLLGRIHTATGLRKVVRELFNITNG 168 KTLFSLMQYSEEFRIHFTPKEPQNNPNPRSLIKPITQLLGRIHTATGLRKVVRELFNITNG 168 KTLFSLMQYSEEFRIHFTPKEPQNNPNPRSLIKPITQLLGRIHTATGLRKVVRELFNITNG 168 KTLFSLMQYSEEFRIHFTFKEPQNNPNPRSLIKPITQLLGRIHTATGLRKVVRELFNITNG 168 KTLFSLMQYSEEFRIHFTFKEPQNNPNPRSLIKPITQLGRIHTATGTRKVVRELFNITNG 168 KTLFSLMQYSEEFRIHFTFKEPQNNPNPRSLIKPITQLGRIHTATGTRKVVRELFNITNG 168 KTLFSLMQYSEEFRIHFTFKEFQNNPNPRSLVKPITQLGRIHTATGTRKVVRELFNITNG 169 KTLFSLMQYSEEFRIHFTFKEFQNNPNPRSLVKPITQLGRIHTATGTRKVVRELFNITNG 164 KTLFSLMQYSEEFRIHFTFKEFQNNPNPRSLVKPITQLGRIHTATGTRKVVRELFNITNG 164 KTLFSLMQYSEEFRIHFTFKEFQNNPNPRSLVKPITQLGRIHTATGTRKVVRELFNITNG 165 KTLFSLMQYSEEFRIHFTFKEFQNNPNPRSLVKPITQLGRIHTATGTRKVVRELFNITNG	1 229 ARKNAFKILFLITDGEKFGDPLGYEDVIPELDREGVIRYVIGFGDAFRSEKSRQELMIVAS 229 ARKNAFKILFLITDGEKFGDPLGYEDVIPELDREGVIRYVIGFGDAFRSEKSRQELMIVAS 229 ARKNAFKILFLITDGEKFGDPLGYEDVIPELDREGVIRYVIGVGDAFRSEKSRQELMIVAS 229 ARKNAFKILITTDGEKFGDPLGYEDVIPEADREGVIRYVIGVGDAFRSEKSRQELMIVAS 220 ARKNAFKILIVITDGEKFGDPLGYEDVIPEADREGVIRYVIGVGDAFRSEKSRGELMIVAS 245 ARKNAFKILVVITDGEKFGDPLGYEDVIPEADREGVIRYVIGVGDAFRSEKSRGELMITAS 245 ARKNAFKILVVITDGEKFGDPLGYEDVIPEADREGVIRYVIGVGDAFRSEKSRGELMITAS 246 ARKNAFKILVVITDGEKFGDPLGYEDVIPEADREGVIRYVIGVGDAFRSEKSRGELMITAS	1 290 KPPRDHVPQANNFBALKTVQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 290 KPPRDHVPQANNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 290 KPPRDHVPQINNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 290 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 290 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 300 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 300 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 300 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 300 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 300 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSQEGFSAAITSNGPLL 300 KPPRDHVPQVNNFBALKTIQNQLREKIFALEGTQTGSSSSFEHEMSGEGFSAAITSNGPLL	151 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO 351 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO 351 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO 351 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAIILRNRVOSLVLGAPRYO 351 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAIILRNRVOSLVLGAPRYO 367 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO 367 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO 367 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILLRNRVOSLVLGAPRYO 367 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO 367 STYGSYDWAGGVELYTSKEKSTFINWIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO STYGSYDWAGGVELYTSKEKSTFINMIRVDSDWNDAYLGYAAAIILRNRVOSLVLGAPRYO	1 412 HIGLVAMFRONTGYMESNANVKGTOIGAYFGASLCSVDVDSNGSTDLVLIGAPHYYEQTRG
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RINESIVGTPLEAFGNLRPVLAEDAQRLFTALPPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPPFERNCGNDNICQDDLSITFSFRSLDCL RINFSLVGTPLSAFGNLRPVLAEDAQRLFTALPPFERNCGNDNICQDDLSITFSFRSLDCL LInfslvgtplsafgnlrpvlaedaqrlftalfpfekncgndnicqddlsitfsfmsldcl	8 VVGGPRENVTVTVRNDGEDSYRTQVTFFPLDLSYRKVSTLQNQRSQRSWRLACESASST WIGGPRENVTVTVRNDGEDSYRTQVTFFPLDLSYRKVSTLQNQRSQRSWRLACESASST WIGGPRENVTVTVRNDGEDSYRTQVTFFPLDLSYRKVSTLQNQRSQRSWRLACESASST WVGGPRENVTVTVRNDGEDSYRTQVTFFPLDLSYRKVSTLQNQRSQRSWRLACESASST WVGGPREFNVTVTVRNDGEDSYRTQVTFFFPLDLSYRKVSTLQNQRSQRSWRLACESASST WVGGPREFNVTVTVRNDGEDSYRTQVTFFFPLDLSYRKVSTLQNQRSQRSWRLACESASST WVGGPREFNVTVTVRNDGEDSYRTQVTFFFPLDLSYRKVSTLQNQRSQRSWRLACESASST VVGGPREFNVTVTVRNDGEDSYRTQVTFFFPLDLSYRKVSTLQNQRSQRSWRLACESASST VVGGPREFNVTVTVRNDGEDSYRTQVTFFFPLDLSYRKVSTLQNQRSQRSWRLACESASST	9 EVSGALKSTSCSINHPIPPENSEVTFNITPDVDSKASLGNKLLLKANVTSENNMPRTNKTE	1	1 EL RINGTVIKDRPOVTFSENLSSTCHTKERLDSHSDFLABLERKAPVNNCSIAVCORIGCDIPF EL RINGTVIKDRPOVTFSENLSSTCHTKERLDSHSDFLABLERKAPVNNSSIAVCORIGCDIPF EL RINGTVIKDRPOVTFSENLSSTCHTKERLDSHSDFLABLERKAPVNNSSIAVCORIGCDIPF EL RINGTVIKDRPOVTFSENLSSTCHTKERLDSHSDFLABLERKAPVNNCSIAVCORIGCDIPF EL RINGTVIKDRPOVTFSENLSSTCHTKERLDSHSDFLABLERKAPVNNCSIAVCORIGCDIPF FILM FILM FILM FILM FILM FILM FILM FILM
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1022	1022	1022	1022	1038		, -1	1083	1083	1083	1083	1099	
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Alignment score = -1505.00

Scoring matrix: